

PTO/SB/81 (05-03)

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	09/933,786
Filing Date	August 20, 2001
First Named Inventor	Sandbore
Title	Shift Processing Unit
Art Unit	
Examiner Name	
Attorney Docket Number	NC 84, 832

I hereby appoint:

☒ Practitioners at Customer Number

26384

OR

☐ Practitioner(s) named below:

26384

PATENT TRADEMARK OFFICE

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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I am the:

☐ Applicant/Inventor.☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/98).

JUL 02 2003

Technology Center 2100

SIGNATURE of Applicant or Assignee of Record

Name Thomas E. McDonnell

Signature *Thomas E. McDonnell*

Date 23 June 2003

Telephone 703-696-4000

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

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JUN 26 2003

PTO/SB/96 (04-03)

Approved for use through 04/30/2003. OMB 0851-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner United States of America as Represented by the Secretary of the NavyApplication No./Patent No.: 09/933,786 Filed/Issue Date: August 20, 2001Entitled: Shift Processing UnitUnited States of America as Representedby the Secretary of the Navya Government Agency

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded  
in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is  
attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown  
below:1. From: Sam B. SandhokeTo: Acorn Networks Inc.The document was recorded in the United States Patent and Trademark Office at  
Reel 012100, Frame 0839, or for which a copy thereof is attached.United States of America as Represented2. From: Acorn Networks Inc.To: by the Secretary of the NavyThe document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_

To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document)  
must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be  
recorded in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

23 Jun 2003

Date

703-696-4000

Telephone number

Thomas E. McDonnell

Typed or printed name

Thomas E. McDonnell

Signature

Patent Counsel of the Navy

Title

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Technology Center 2100

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## ASSIGNMENT

WHEREAS, ACORN NETWORKS, INC., a corporation organized under the laws of \_\_\_\_\_ is the lawful owner of the entire right, title, and interest in the following patents and/or patent applications:

Patent Title	Application/Patent Number	Inventors
Real-Time Scheduler Method and Apparatus	Patent #US 6,195,699 B1	Jack B Dennis
Multithread Computer Design to Support an Advanced Programming Model	60/166,684	Jack B Dennis
Multiple Buffer Queuing of Data Packets with High Throughput Rate	09/688,407	Tam-Anh Chu
Multi-Thread Peripheral Processing Using Dedicated Peripheral Bus	09/715,772	Jack B Dennis, Sam B Sandbota
Locking Memory Accesses in Multi-Thread Computing System	09/715,773	Jack B Dennis
Prioritizing Resource Utilization in Multi-Thread Computing System	09/715,778	Jack B Dennis
Priority Mechanism for a Multithreaded Computer	60/166,685	Jack B Dennis
Integrated Processor for Multithread Computer with Real-Time Input/Output Capability	60/166,686	Jack B Dennis
Data-Locking Scheme for Multithread Computer	60/166,667	Jack B Dennis
System and Method for Processing Overlapping Tasks in a Programmable Network Processor Environment	09/833,581	Jack B Dennis, Joel Z Apisdorf, Sam B. Sandbota
System and Method for Data Forwarding in a Programmable Network Processor Environment	09/833,578	Jack B Dennis, Joel Z Apisdorf, Michael D Poole
System and Method for Instruction-Level Parallelism in a Programmable Network Processor Environment	09/833,580	Joel Z Apisdorf, Sam B. Sandbota
Adaptive Control of Multiplexed Input Buffer Channels	09/859,150	Sam B Sandbota
Shift Processing Unit	09/933,786	Sam B Sandbota


WHEREAS, the Government of the United States, as represented by the Secretary of the Navy and hereinafter referred to as the Government, is desirous of acquiring an assignment of the invention disclosed in said applications and/or patents; and

WHEREAS, Acom Networks, Inc., is desirous of granting such an assignment;

NOW, THEREFORE, in consideration of good and valuable consideration the receipt of which is hereby acknowledged, Acom Networks, Inc. hereby assigns and transfer to the Government the entire right, title and interest in and to U.S. Patent No. 6,195,699, and in and to U.S. Patent Application Nos. 60/166,684, 09/688,407, 09/715,772, 09/715,773, 09/715,778, 60/166,685, 60/166,686, 60/166,667, 09/833,581, 09/833,578, 09/833,580, 09/859,150, and 09/933,786, and the entire right, title and interest in and to any continuation, division, or substitution thereof, and such Letters Patent as may issue therefrom and any reissue or extensions thereof, said invention, application and Letters Patent to be held by the Government to the end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by Acom Networks, Inc. had this assignment not been made.

Executed this 11<sup>th</sup> day of JUNE, 2002, at ALEXANDRIA, VA

  
Signature

  
Title

UNITED STATES BANKRUPTCY COURT  
Eastern District of Virginia  
Alexandria Division

In Re:

CASE NO. 02-81375-RGM

ACORN NETWORKS, INC.

Debtor(s)

(Chapter 7)

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APPOINTMENT OF INTERIM TRUSTEE AND TRUSTEE  
AND DESIGNATION OF REQUIRED BOND

---

ROBERT O. TYLER of ALEXANDRIA, VIRGINIA,

is hereby appointed Interim Trustee for the estate(s) of the above named debtor(s). Unless a trustee is elected at the meeting of creditors to be called pursuant to Section 341 of Title 11, United States Code, in the above referenced case, the Interim Trustee shall serve as Trustee.


This case is covered by the blanket bond for Chapter 7 case Trustees, a copy of which is on file with the Court.

March 26, 2002

Dated

W. Clarkson McDow, Jr.  
United States Trustee

By:

  
Dennis J. Early  
Asst. U.S. Trustee  
115 S. Union Street  
Suite 210  
Alexandria, Virginia 22314  
(703) 557-7176

ENTERED

NOV 05 2001

STATUS DB-LA



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

OCTOBER 26, 2001

BLAKELY, SOKOLOFF, TAYLOR &  
THINH V. NGUYEN  
12400 WILSHIRE BOULEVARD  
7TH FLOOR  
LOS ANGELES, CA 90025

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BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/20/2001

REEL/FRAME: 012100/0839  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

SANDBOTE, SAM B.

DOC DATE: 08/17/2001

ASSIGNEE:

ACORN NETWORKS, INC.  
1920 ASSOCIATION DRIVE, SUITE 500  
RESTON, VIRGINIA 20191

SERIAL NUMBER: 09933786

PATENT NUMBER:

FILING DATE: 08/20/2001

ISSUE DATE:

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RECEIVED  
NOV 06 2001

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP  
COSTA MESA

08-28-2001

FORM PTO-1595  
(Rev. 6-93)  
OMD No. 0651-0011 (exp. 4/94)



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101824900

To the Honorable Commissioner of Patents

original documents or copy thereof.

1. Name of conveying party(ies):

Sam B. Sandbote

2. Name and address of receiving party(ies):

Name: Acorn Networks, Inc.

Additional name(s) of conveying party(ies) attached?

☒ No ☐ Yes

Internal Address:

3. Nature of Conveyance:

☒ Assignment ☐ Change of Name☐ Security Agreement☐ Other☐ MergerStreet Address: 1920 Association Drive, Suite 500City: Reston State: VA ZIP: 20191Execution Date: 08/17/01Additional name(s) & address(es) attached? ☒ No ☐ Yes

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

08/17/01

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Blakely, Sokoloff, Taylor & Zafman LLP

Internal Address:

Street Address: 12400 Wilshire Boulevard  
7th FloorCity: Los Angeles State: CA ZIP: 900256. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☒ Authorized to be charged to deposit account

8. Deposit Account Number:

02-2666

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Thinh V. Nguyen, Reg. No. 42,034

Name of Person Signing

Signature

August 20, 2001

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner of Patents, Box Assignments

Washington, D.C. 20231

Attorney Docket No. 4800P008

09/933786  
08/20/01

## **ASSIGNMENT**

(For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned:

**Sam B. Sandbote**

hereby sell, assign, and transfer to:

**Acorn Networks, Inc.**

a corporation of Delaware, having a principal place of business at 1920 Association Drive, Suite 500, Reston, Virginia 20191, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

### **SHIFT PROCESSING UNIT**

and in and to said application and all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and



covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each inventor: Please also list the date that you signed the accompanying **DECLARATION & POWER OF ATTORNEY**

Each Inventor: Please Sign and Date Below:

<u>8/17/2001</u> Date	<u>[Signature]</u> Name: <b>Sam B. Sandbote</b>	<u>8/17/2001</u> Date
_____ Date	_____ Name:	_____ Date
_____ Date	_____ Name:	_____ Date
_____ Date	_____ Name:	_____ Date
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_____ Date	_____ Name:	_____ Date
_____ Date	_____ Name:	_____ Date
_____ Date	_____ Name:	_____ Date

Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, CA 90025-1026